

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°09-12 - Septembre 2012
 ISGI Publications Office Monthly Bulletin n°09-12- September 2012

C O N T E N T S

Rapid Variations	- provisional determination of ssc and sfe	September 2012
Classification of days	- five international quietest days and most disturbed days	September 2012
aa	- hemispheric N, S, daily values and planetary half day and daily values	September 2012
	- musical diagram of aa (latest values)	Sept. 2012 up to 18 Nov. 2012
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	September 2012
am, Km	- three hour indices values musical diagram of Km	September 2012
Am, ΣKm	- daily values	September 2012
Ap, ΣKp	- daily values	September 2012
	- monthly tables of hourly indices	September 2012

Explanations about published data are given in Special Issue 1994 of ISGI Monthly Bulletin.

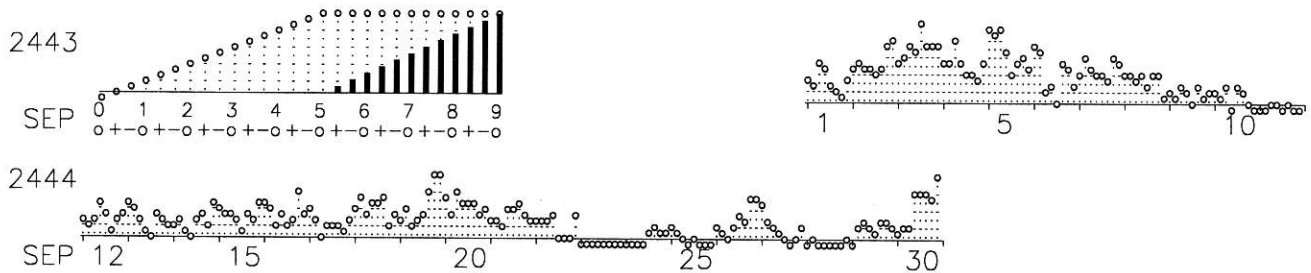
Ce Bulletin est adressé gracieusement aux Scientifiques intéressés, grâce à une dotation du FAGS et au soutien du laboratoire d'accueil, le CETP, et des organismes français de Recherche Scientifique (CNRS, INSU, BCMT).
 Nous remercions aussi tout particulièrement les collaborateurs du Bulletin (cités ci-dessous) qui nous fournissent les données à diffuser dans des délais aussi brefs que possible.

*This Bulletin is freely offered to interested Scientists thanks to a dotation from FAGS, and to the support of the hosting laboratory CETP and of French Organisations of Scientific Research (CNRS, INSU, BCMT).
 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

PRELIMINARY REPORT ON RAPID VARIATIONS		SEPTEMBER 2012								
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects								
03 12 13	A: SOD NUR LER* ESK* NGK* HAD* DOU BDV* NAG* SPT* GUI* GNA CNB C: VAL* GCK EBR*	30	0430-0455 MMB KAK KNY							
29 03 11	C: NUR Si: LER* ESK* HAD*									
30 11 32	A: GNA CNB B: SOD NUR LER* ESK* HAD* MMB* KAK* KNY* C: NGK* DOU BDV* HRB GCK* EBR*									
30 23 05	A: GNA* CNB* B: BDV* MMB* KAK* KNY* GUI C: DOU EBR									
REPORTING OBSERVATORIES (up to 31-10-2012) :										
SOD NUR LER ESK NGK VAL HAD DOU BDV HRB NAG GCK MMB EBR SPT KAK KNY GUI GNA CNB										
	FIVE INTERNATIONAL QUIETEST DAYS			FIVE INTERNATIONAL MOST DISTURBED DAYS						
September	23	28	11	25	24	3	5	2*	4*	19*

SEPTEMBER 2012		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa				quiet days	am and Km for each three hour interval								Daily Average and Sum				
	N	S	am	pm		D	1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	14	13	15	12	14	CK	11 2-	8 1+	22 3-	18 2+	10 1+	6 1o	5 1-	12 2-	12	13-	5	12-
2	41	23	21	44	32		19 2+	21 3-	19 2+	19 2+	16 2o	18 2+	46 4-	56 4o	27	22-	16	24-
3	46	40	28	58	43		25 3-	30 3o	46 4-	40 3+	91 5o	45 4-	49 4-	47 4-	47	29-	31	33-
4	26	18	23	21	22		26 3-	25 3-	51 4o	21 3-	14 2o	16 2o	12 2-	26 3-	24	20+	16	23+
5	48	35	56	27	42		83 5-	70 4+	73 5-	36 3+	16 2o	23 3-	29 3o	17 2+	43	27o	32	31+
6	26	15	27	15	21		48 4-	35 3+	7 1o	8 1+	3 0+	23 3-	19 2+	8 1+	19	16o	12	17o
7	23	20	16	27	22		14 2o	27 3o	19 2+	16 2o	14 2o	13 2-	30 3o	24 3-	20	19-	10	18o
8	13	13	11	15	13	C	16 2o	16 2o	13 2-	15 2o	10 1+	16 2o	14 2o	5 1-	13	14-	7	15o
9	8	6	7	7	7	CC	6 1o	5 1-	10 1+	7 1o	2 0+	8 1+	5 1-	6 1o	6	7+	4	7+
10	7	5	7	6	6	CC	6 1o	5 1-	10 1+	1 0o	8 1+	6 1o	2 0+	1 0o	5	6-	3	6o
11	4	3	3	4	3	CC*	1 0o	1 0o	3 0+	3 0+	1 0o	2 0+	1 0o	1 0o	2	1o	1	1+
12	13	14	13	14	14	KC	9 1+	6 1o	9 1+	19 2+	12 2-	5 1-	9 1+	13 2-	10	11+	5	10+
13	11	10	12	9	10	CC	18 2+	15 2o	10 1+	4 1-	2 0+	11 2-	8 1+	7 1o	9	11-	5	10o
14	13	10	8	15	12	CC	6 1o	8 1+	5 1-	3 0+	8 1+	11 2-	7 1o	19 2+	8	10-	6	10+
15	14	11	13	12	13	C	15 2o	13 2-	13 2-	8 1+	5 1-	12 2-	9 1+	19 2+	12	13-	6	13o
16	15	14	14	15	15	K	17 2+	14 2o	6 1o	13 2-	7 1o	8 1+	32 3o	12 2-	14	14o	7	14-
17	9	7	8	8	8	CK	14 2o	10 1+	2 0+	7 1o	6 1o	6 1o	5 1-	9 1+	7	9-	4	8o
18	20	19	20	18	19		15 2o	22 3-	12 2-	18 2+	17 2+	21 3-	7 1o	12 2-	16	16+	9	16+
19	29	24	8	45	27		9 1+	15 2o	6 1o	9 1+	12 2-	28 3o	53 4o	58 4o	24	18+	14	19o
20	22	20	24	18	21		24 3-	12 2-	28 3o	18 2+	17 2+	18 2+	12 2-	14 2o	18	18o	10	18+
21	15	15	11	19	15		8 1+	9 1+	7 1o	16 2o	14 2o	17 2+	11 2-	8 1+	11	13o	6	13-
22	9	10	13	6	10	CK	8 1+	8 1+	10 1+	13 2-	2 0+	2 0+	2 0+	11 2-	7	8+	4	8-
23	2	2	2	2	2	CC*	0 0o	0 0o	1 0o	0 0o	1 0o	1 0o	1 0o	0 0o	1	0o	0	0+
24	6	5	3	8	6	CC*	0 0o	0 0o	1 0o	1 0o	4 1-	7 1o	4 1-	5 1-	3	3o	2	3o
25	4	5	5	4	4	CC*	6 1o	4 1-	2 0+	1 0o	3 0+	1 0o	0 0o	0 0o	2	2+	2	3o
26	14	16	7	23	15	K	6 1o	5 1-	3 0+	7 1o	11 2-	8 1+	26 3-	22 3-	11	11+	6	10+
27	11	8	13	6	10	CK	17 2+	10 1+	6 1o	5 1-	2 0+	1 0o	2 0+	7 1o	6	7o	4	8+
28	2	2	2	2	2	CC*	1 0o	2 0+	1 0o	1 0o	1 0o	1 0o	0 0o	2 0+	1	1-	0	0+
29	7	9	8	8	8	CC	1 0o	6 1o	9 1+	6 1o	4 1-	8 1+	8 1+	6 1o	6	8-	3	6o
30	23	30	13	40	27		5 1-	7 1o	6 1o	27 3o	28 3o	33 3o	24 3-	58 4o	24	18+	13	19o

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) SEP 2012



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) SEP-NOV 2012

